

on August 8, 1996. Each of the foregoing applications is commonly assigned to the assignee of the present invention and is hereby incorporated herein by reference in its entirety.

*Box 1X*  
This application discloses subject matter related to the subject matter of U.S. patent application Serial Number 09/380,545, filed on September 3, 1999 in the name of Richard E. Smalley et al., entitled "Carbon Fibers Formed From Single-Wall Carbon Nanotubes," which application is commonly assigned to the assignee of the present invention and hereby incorporated herein by reference in its entirety.--

**In the Claims**

Please amend the claims as follows.

Please cancel claims 1-83 without prejudice or disclaimer to the subject matter thereof.

Please add the following new claims 84-89:

*Box 1X*  
84. (new) A method of forming a composite array of single-wall carbon nanotubes comprising:

- a) providing a plurality of single-wall carbon nanotubes;
- b) assembling the single-wall carbon nanotubes into at least two substantially two-dimensional arrays, wherein each of the two-dimensional arrays comprise the single-wall carbon nanotubes aggregated in substantially parallel orientation; and
- c) assembling the two-dimensional arrays into a single composite array.

85. (new) The method of claim 84 wherein the two-dimensional arrays comprise single-wall carbon nanotubes having a homogeneous characteristic selected from the group consisting of lengths, diameters, helicities and combinations thereof.

86. (new) The method of claim 84 wherein at least two of the two-dimensional arrays comprise single-wall carbon nanotubes having different homogeneous characteristics, and

wherein the homogeneous characteristics are selected from the group consisting of lengths, diameters, helicities and combinations thereof.

87. (new) A composite array of single-wall carbon nanotubes formed by the process comprising:

- a) providing a plurality of single-wall carbon nanotubes;
- b) assembling the single-wall carbon nanotubes into at least two substantially two-dimensional arrays, wherein each of the two-dimensional arrays comprise the single-wall carbon nanotubes aggregated in substantially parallel orientation; and
- c) assembling the two-dimensional arrays into a single composite array.

88. (new) The composite array of claim 87 wherein the two-dimensional arrays comprise single-wall carbon nanotubes having a homogeneous characteristic selected from the group consisting of lengths, diameters, helicities and combinations thereof.

89. (new) The composite array of claim 87 wherein at least two of the two-dimensional arrays comprise single-wall carbon nanotubes having different homogeneous characteristics, and wherein the homogeneous characteristics are selected from the group consisting of lengths, diameters, helicities and combinations thereof.

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